

IN THE ABSTRACT:

Please amend the Abstract on page 19 and to read as follows:

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A wood cutting band saw blade that when cutting wood produces saw dust and forms a kerf. The band saw blade includes a cutting edge defined by a plurality of teeth spaced relative to each other and a back edge located on an opposite side of the band saw blade relative to the cutting edge. The plurality of teeth include a plurality of set teeth each having a tip, each defining a bend plane, and each including a shelf located at least partially between the tip and the bend plane for reducing saw dust passing to the kerf and accumulating on the band saw blade. Each of these teeth may define a relief surface and a cutting surface, where the relief surface extends from one side of the tip in a direction opposite that of the movement of the band saw blade and the cutting surface extends from another side of the tip. The shelf includes a shelf surface extending from the cutting surface and may terminate in a shelf tip.

IN THE CLAIMS:

Please amend claims 2, 14, 22, 23, 24, 30, 32, 33, 37, 39, and 40 to read as follows:

2. (Amended) The band saw blade of claim 1 wherein:

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each of the set teeth comprise a relief surface and a cutting surface, the relief surface extending from one side of the tip in a direction opposite that of the movement of the band saw blade and terminating at one end of an intermediate surface, and the cutting surface extending from another side of the tip; and

the shelf comprises a shelf surface extending from the cutting surface and terminating at another end of the intermediate surface.

14. (Amended) The band saw blade of claim 12 wherein:

the second portion comprises about one third of the length of the shelf surface; and
the angle (A2) is approximately 15°.

22. (Amended) The band saw blade of claim 21 wherein the relief portion also defines a tangential angle (TA) within the range of approximately 3° to approximately 6° with respect to the side of the blade body.

23. (Amended) The band saw blade of claim 3 wherein:

a plurality of set teeth each comprise a second shelf;

each second shelf comprises a second shelf surface, and each second shelf defines a dimension (S2) extending between the tip of the respective tooth and the second shelf.

24. (Amended) The band saw blade of claim 23 wherein $S2 = (B + S1) \div 2$ and S1 is within the range of between approximately .13 inch and approximately .16 inch.

30. (Amended) The band saw blade of claim 28 wherein:

each of the set teeth comprise a relief surface and a cutting surface, the relief surface extending from one side of the tip in a direction opposite that of the movement of the band saw blade and terminating at one end of an intermediate surface, and the cutting surface extending from another side of the tip; and

the shelf comprises a shelf surface extending from the cutting surface and terminating at another end of the intermediate surface.

32. (Amended) The band saw blade of claim 31 wherein:

a plurality of set teeth each comprise a second shelf;

each second shelf comprises a second shelf surface, and each second shelf defines a dimension (S2) extending between the tip of the respective tooth and the second shelf.

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33. (Amended) The band saw blade of claim 32 wherein $S2=(B+S1)/2$ and $S1$ is within the range of between approximately .13 inch and approximately .16 inch.

37. (Amended) The band saw blade of claim 35 wherein:

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each of the set teeth comprise a relief surface and a cutting surface, the relief surface extending from one side of the tip in a direction opposite that of the movement of the band saw blade and terminating at one end of an intermediate surface, and the cutting surface extending from another side of the tip; and

the shelf comprises a shelf surface extending from the cutting surface and terminating at another end of the intermediate surface.

39. (Amended) The band saw blade of claim 38 wherein:

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a plurality of set teeth each comprise a second shelf;

each second shelf comprises a second shelf surface, and each second shelf defines a dimension ($S2$) extending between the tip of the respective tooth and the second shelf.

40. (Amended) The band saw blade of claim 39 wherein $S2=(B+S1) \div 2$ and $S1$ is within the range of between approximately .13 inch and approximately .16 inch.

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Please cancel Claims 6 and 15-20 without prejudice.